MANGALORE UNIVERSITY

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Proceedings of the Meeting of the PG Board of Studies in Library and Information Science held on August 27, 2021 at 11.00am in the Department of Library and Information Science, Mangalore University, Mangalagangothri.

Ref. No.: ಸಂ.:ಮಂವಿ/ಶೈಕ್ಷಣಿಕ/ಸಿಆರ್67/2020–21/ಎ2 ದಿನಾಂಕ 12.08.2021

Members present:
1. Prof. Manjaiah D.H.   -   Chairman
2. Dr. Umesha Naik   -   Internal Member

Members not present: -Nil-

Pursuant to the letter cited we have conducted the meeting of PG Board of Studies (BoS) with the internal members after taking consent from external members (copy enclosed) and the internal members were discuss the following agenda:

Agenda: Implementation of Research and Publication Ethics (RPE) Paper for Ph.D. Course Work

Decision: As per the UGC guidelines the Implementation of Research and Publication Ethics (RPE) paper for Ph.D. Course Work proposed by the Chairman, Board of Studies in Library and Information Science was discussed and it was accepted and approved for the same.

Sl. No.	Name	Signature
1.	Prof. Manjaiah D.H. (Internal Member)	
2.	Dr. Umesha Naik (Internal Member)	Umesha 27.08.2021
3.	Prof. Sampath Kumar B.T. (External Member) (approved through circulation)	through online
4.	Prof. C. Krishnamurthy (External Member) (approved through circulation)	
4.	Prof. Harinarayana N.S. (External Member) (Not replied)	

Date: 27.08.2021

Manjaiah D.H.
Chairman, Board of Studies (BoS)

MANGALORE UNIVERSITY

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

SYLLABUS FOR COURSE WORK FOR
PH.D. IN LIBRARY AND INFORMATION SCIENCE

Eligibility for Admission: Holders of Master Degree in Library and Information Science or its Equivalent

| Papers | Particulars | Hours of Instruction per week | Duration of Examination (hrs) | Marks | | | Credits |
				IA	Theory	Total	
Course 1	Research Methodology	4	3	30	70	100	4
Course 2	Research and Publication Ethics (RPE)	2	3	30	70	100	2
Course 3	Review of Literature						
	Review Report	14	-	-	-	-	150	6
	Viva		-	-	-	-	50	2
						Total	**14**

CHAIRMAN

Chairman
DEPARTMENT OF LIBRARY & INFORMATION SCIENCE
Mangalore University
Mangalagangothri - 574 199, D.K.

प्रो. रजनीश जैन
सचिव
Prof. Rajnish Jain
Secretary
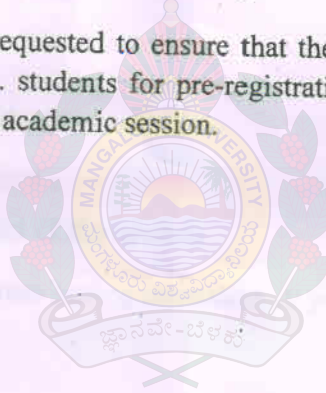
D.O.No.F.1-1/2018(Journal/CARE)

December, 2019

Respected Sir/Madam,

University Grants Commission in its 543rd meeting held on 9th August, 2019 approved two Credit Courses for awareness about publication ethics and publication misconducts entitled **"Research and Publication Ethics (RPE)"** to be made compulsory for all Ph.D. students for pre-registration course work (**attached as Annexure**).

In view of the above, you are requested to ensure that the above two Credit courses may be made compulsory for all Ph.D. students for pre-registration course work undertaken in your University from the forthcoming academic session.

With regards,

Yours sincerely,

(Rajnish Jain)

TO THE VICE-CHANCELLORS OF ALL UNIVERSITIES

Course Title:

- **Research and Publication Ethics (RPE)**-Course for awareness about the publication ethics and publication misconducts.

Course Level:

- 2 Credit course (30 hrs.)

Eligibility:

- M.Phil., Ph.D. students and interested faculty members (It will be made available to post graduate students at later date)

Fees:

- As per University Rules

Faculty:

- Interdisciplinary Studies

Qualifications of faculty members of the course:

- Ph.D. in relevant subject areas having more than 10 years' of teaching experience

About the course

Course Code: CPE- RPE

Overview

- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Pedagogy:

- Class room teaching, guest lectures, group discussions, and practical sessions.

Evaluation

- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

Course structure

- The course comprises of six modules listed in table below. Each module has 4-5 units.

Modules	Unit title	Teaching hours
Theory		
RPE 01	Philosophy and Ethics	4
RPE 02	Scientific Conduct	4
RPE 03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4
RPE 05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

Syllabus in detail

THEORY

- **RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

  1. Introduction to philosophy: definition, nature and scope, concept, branches
  2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

- **RPE 02: SCIENTIFICCONDUCT (5hrs.)**

  1. Ethics with respect to science and research
  2. Intellectual honesty and research integrity
  3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
  4. Redundant publications: duplicate and overlapping publications, salami slicing
  5. Selective reporting and misrepresentation of data

- **RPE 03: PUBLICATION ETHICS (7 hrs.)**

  1. Publication ethics: definition, introduction and importance
  2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
  3. Conflicts of interest
  4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
  5. Violation of publication ethics, authorship and contributorship
  6. Identification of publication misconduct, complaints and appeals
  7. Predatory publishers and journals

PRACTICE

- **RPE 04: OPEN ACCESS PUBLISHING(4 hrs.)**

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

- ## RPE 05: PUBLICATION MISCONDUCT (4hrs.)

A. Group Discussions (2 hrs.)

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad.

B. Software tools (2 hrs.)

Use of plagiarism software like Turnitin, Urkund and other open source software tools

- ## RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)

A. Databases (4 hrs.)
1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

B. Research Metrics (3 hrs.)
1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

References

Bird, A. (2006). *Philosophy of Science*. Routledge.

MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.

P. Chaddah, (2018) Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN:978-9387480865

National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press.

Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1–10. Retrieved from https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm

Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489(7415), 179–179. https://doi.org/10.1038/489179a

Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance(2019), ISBN:978-81-939482-1-7. http://www.insaindia.res.in/pdf/Ethics_Book.pdf

PAPER – I : RESEARCH METHODOLOGY

Course Objectives:

– To familiarize research scholar about the need, purpose and types of research and barrier to research.

– To study research design and formulation of hypotheses.

– To know the research techniques and tools.

– To understand the different types of research methods and techniques.

– To familiarize research students with the fundamentals of Informetrics and Scientometrics.

– To understand the data analysis using SPSS.

– To develop the skills of report writing.

Unit 1	:	Research: Meaning, Definition Need and Purpose, Types of research, Barriers to research.	**08hrs**
Unit 2	:	Research Design: Identification, selection and formulation of a research problem Hypothesis: Meaning, Definitions, Types, Formulation and Testing of hypothesis Research design: Definition, Types and their characteristics, Preparation of a research proposal.	**08hrs**
Unit 3	:	Research Methods: Scientific methods, Historical method, Descriptive method, Survey method, Case Study method, Experimental method, Delphi method, Content analysis and Informetrics and Scientometrics.	**08hrs**

| Unit 4 | : | Research Techniques Tools and Sampling: Questionnaire, Schedules, Interview, Observation, Scales and Checklists, Library records and reports, Concept of study population and Sampling, Need for sampling, Types of sampling-Random and Non-random sampling techniques, Sample Bias and error. | **08hrs** |

| Unit 5 | : | Data Analysis and Interpretation: Descriptive analysis, inferential analysis, Data processing and analysis using SPSS, Interpretation of data including statistical testing of hypothesis using parametric and non-parametric measures. | **08hrs** |

| Unit 6 | : | Research Reporting and Evaluation: Structure, Style and Contents, Guidelines for reporting Style manuals-Chicago, MLA, APA, e-citation, Criteria for evaluation of research report. | **08hrs** |

| Unit 7 | : | LIS research: Overview, Trends, ethical issues, LIS Research in India: Problems and Prospects. | **08hrs** |

References:
1. Busha, CH & Harter, SP: Research Methods in Librarianship: Techniques and Interpretation, New York Academic 1980.
2. Mohsin , SM: Research Methods in behavioural Sciences ,Kolkatta Orient Longman, 1984.
3. Sharma , RN & Sharma, RK: Research methods in Social Sciences, Bombay, Media Promoters & Publishers Pvt. Ltd., 1987.
4. Sing, Sadhu: Research Methodology in Social Sciences, Bombay, Himalaya Publishing House, 1980.
5. Stevens , RE . Ed: Research Methods in Librarianship, London, Bingley 1971.
6. Wilson , EB: Introduction to scientific Research , New Delhi, Mc- Graw Hill, 1952.
7. Young, PV: Scientific Social Surveys and research, Ed 4, New Delhi, Prentice Hall, 1982.
8. Charles, H. etal.: Research methods in librarianship: Techniques and interpretations, New Delhi: Sage, 1993.
9. Fowler, F.J.: Survey research methods. New Delhi: Sage, 1993.
10. Goode, W.J. and Hatt, P.K.: Methods in social Science research. New Delhi: McGraw Hill, 1986.
11. Krishan Kumar: Research methods in Library and Information Science. New Delhi: Vikas,1992.
12. Krishnaswami, O.R.: Methodology of Research in Social Sciences. Bombay, Himalaya, 1993.
13. Leddy, P. D.: Practical research: Planning design. London: Clive-Bingley, 1980.
14. Line, M.B.: Library surveys, London: Clive Bingley, 1967.
15. Nicholas D. and Ritchil, M.: Literature and bibliometrics. London: Clive Bingley, 1979.
16. Ravichandra Rao, I.K.: Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
17. Slater, M.: Research methods in Library and Information studies. London: L.A., 1990.

Course Outcome (CO):
CO1 Familiar with theory and practice of research and its methodology.
CO2 Familiar with identifying research problems and doing subject literature research.
CO3 Aware of developing research design, sample size and research instrument for data collection.
CO4 Understanding the mode of data collection and data analysis
CO5 Have adequate knowledge on statistical tools and techniques for data analysis and interpretation of research findings.
CO6 Awareness of methods of presenting and reporting research findings.
CO7 Knowing fundamentals of Informetrics and Scientometrics.